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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

RECORD LOWS HINDER CROP DEVELOPMENT

Freezing temperatures were recorded in parts of the state this past Friday however it is too early to know the impact on crops, according to the Minnesota Agricultural Statistics Service. Corn and soybeans in various parts of the state may be affected by the frost, however it is too early to assess the effect at this time.

The average temperature for the week was 59.0 degrees, 8.5 degrees below normal. Statewide topsoil moisture supplies as of August 20th were rated 2% very short, 18% short, 75% adequate, and 5% surplus.

Corn crop in the milk stage and beyond was 79%, which is behind the five year average of 96%. Soybeans were 90% setting pods, behind the five year average of 97%.

Corn condition rating of good to excellent was 56% compared to 62% last week. Soybeans were rated 56% in good to excellent condition, compared to 55% last week.

Spring wheat was 29% harvested, compared to 66% for the five year average. Barley was 32% harvested, compared to 76% for the five year average. Oats were 65% harvested, which was behind the five year average of 88%.

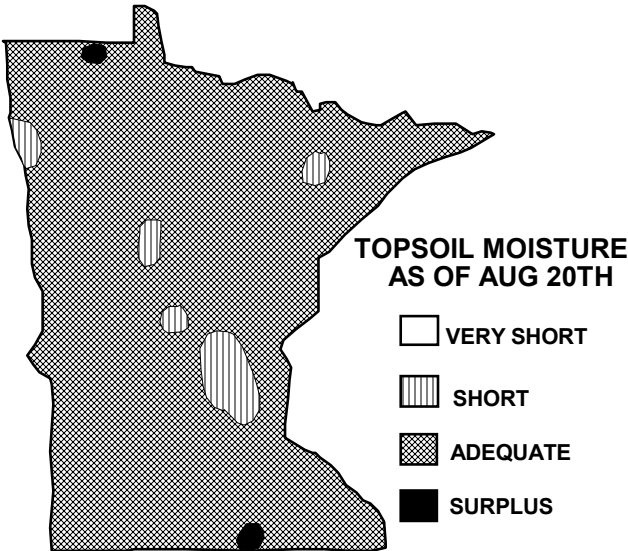
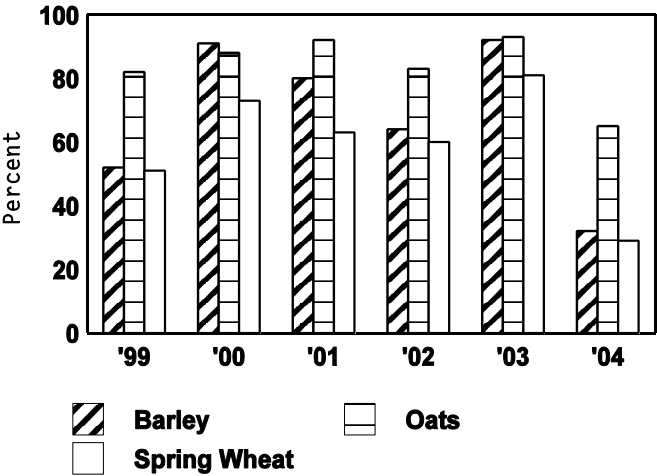
Potatoes were 16% harvested which was ahead of 9% for the five year average.

Sweet corn was 29% harvested, below the five year average of 48%.

Days Suitable for Fieldwork : 5.3					
		Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)		2	18	75	5
Crop Progress as of August 22, 2004					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Milk	79	55	96	96
	Dough	25	13	54	61
	Dent	4	1	18	20
Field Corn	Cut for Silage	1	NA	3	1
Soybeans	Setting Pods	90	70	98	97
Spring Wheat	Harvested	29	12	81	66
Oats	Harvested	65	40	93	88
Barley	Harvested	32	13	92	76
Potatoes	Harvested	16	14	24	9
Canola	Harvested	2	NA	53	24
Sweet Corn	Harvested	29	20	43	48
Crop Condition as of August 20 in Percent					
	Very Poor	Poor	Fair	Good	Exc
Pasture	2	12	37	44	5
Spring Wheat	3	8	28	42	19
Barley	6	10	39	36	9
Dry Beans	5	15	33	39	8
Canola	9	23	36	24	8
Potatoes	2	6	21	59	12
Sunflowers	5	24	28	41	2
Corn	4	9	31	46	10
Sugarbeets	1	3	24	49	23
Soybeans	4	8	32	45	11

SMALL GRAINS HARVESTED

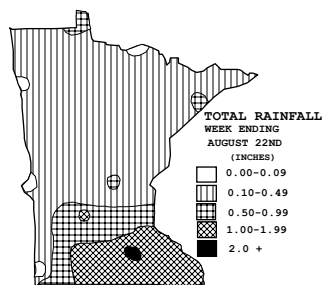
AS OF AUGUST 22nd, 1999-2004



Charles Walker  
Agricultural Statistician

Douglas A. Hartwig  
Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING AUGUST 22, 2004:  
Temperatures averaged from 10.6 degrees below normal in the North-west District to 6.6 degrees below normal in the East Central District. Extremes: 84° in Minneapolis, Redwood Falls, Rosemount; 27° in Hibbing. Precipitation averaged from 0.64 inch below normal in the North Central District to 1.04 inches above normal in the South Central District. Greatest weekly total was 2.96 inches.



Precipitation and Temperature Summary for 8/16/2004 through 8/22/2004

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since 4/1	Since Apr 29	Depart from Norm
<u>NW DIST 1</u>										
Crookston	77	31	56.0	-11.8	0	-.67	-.65	3.20	1305	-511
Moorhead	80	34	58.6	-10.2	.21	-.36	-.07	.79	1509	-391
Warroad	73	35	55.6	-9.7	.85	.20	1.24	6.14	1178	-408
<u>NC DIST 2</u>										
Grand Rapids	79	32	57.1	-7.6	.28	-.53	-1.25	-3.73	1358	-237
Intl. Falls	76	32	52.8	-10.7	.03m	-.68m	-.34m	-.67m	1089	-406
Itasca	78	32	55.8	-8.3	.13	-.71	-.31	-3.18	1218	-273
<u>NE DIST 3</u>										
Duluth	75	36	57.0	-6.4	.49	-.47	-.09	-3.23	1097	-288
Grand Marais	78	39	55.0	-7.7	.40	-.30	-1.04	-1.15	769	-242
Hibbing	74	27	53.6	-9.7	.30	-.46	-1.05	-4.79	1137	-312
Isabella	72	32	54.8	-8.7	.52	-.39	.10	-2.32	954	-541
<u>WC DIST 4</u>										
Alexandria	77	39	58.6	-8.9	.18	-.65	.28	-1.10	1400	-417
Browns Valley	81	34	59.8	-9.9	.05	-.56	-1.44	1.21m	1439m	-567m
Canby	78	38	61.4	-9.3	.23	-.39	-1.39	-.22	1747	-350
Fergus Falls	75	39	57.2	-10.9	.19	-.52	1.43	2.24	1502	-338
Montevideo	76	35	60.9	-8.0	.92	.21	.89	1.79	1637	-312
Morris	78	35	59.0	-9.7	.35	-.38	-.96	-.40	1520	-428
<u>CENT DIST 5</u>										
Becker	79	37	61.8	-5.1	.38	-.59	-2.08	1.95	1574	-238
Hutchinson	78	39	62.2	-6.7	.61	-.31	-.99	2.49	1688	-336
Olivia	78	36	59.1	-9.4	.92	.14	-1.03	.89	1644	-348
St. Cloud	82	33	59.4	-7.4	.68	-.24	-.82	.68	1539	-262
Staples	76	33	57.6	-7.7	.10	-.61	-.67	.81	1313	-328
Willmar	77	36	60.4	-8.1	1.53	.66	-.45	2.36	1616	-348
<u>EC DIST 6</u>										
Aitkin	76	35	58.2	-6.1	.14	-.73	-1.68	-4.60	1298	-242
MSP Airport	84	44	63.4	-6.8	.59	-.33	-1.96	-1.38	1802	-292
St. Paul - UofM	83	39	64.2	-6.8	.69	-.31	-2.33	-.81	1828	-341
<u>SW DIST 7</u>										
Lamberton	76	35	59.0	-10.0	1.29	.52	-.12	2.18	1684	-364
Pipestone	79	36	61.2	-7.8	.07	-.63	-1.29	1.56	1606	-359
Redwood Falls	84	37	61.8	-8.9	.77	-.05	-.77	4.52	1739	-422
Worthington	80	36	60.2	-7.6	.81	.01	.43	2.47	1674	-243
<u>SC DIST 8</u>										
Faribault	76	38	58.6	-10.2	1.53	.52	-1.64	5.61	1673	-301
Mankato	76	39	59.2	-10.3	2.17	1.15	.05	5.62	1668	-367
Waseca	77	37	59.8	-8.8	2.96	1.90	.80	6.07	1730	-256
Winnebago	77	38	59.8	-9.4	1.54	.58	.17	4.15	1710	-323
<u>SE DIST 9</u>										
Preston	78	42	61.6	-6.3	1.04	-.03	-1.69	8.84	1629	-239
Red Wing	78	41	62.0	-7.6	1.83	.94	.01	2.01	1726	-293
Rochester	79	39	60.6	-6.8	1.85	.88	.16	7.08	1622	-226
Rosemount	84	39	62.2	-6.1	1.01	-.04	-2.65	-1.20	1702	-225
Winona	80	44	61.5	-10.0	1.11	.18	.85	6.53	1797	-405

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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